Audrey Lee

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🖭 Summary

I am an aspiring software engineer who began learning Python since October 2023 and Web Development since January 2024. Since then, I have acquired knowledge in multiple programming languages and frameworks, and have developed various projects for different business.

Despite balancing a full-time placement and coursework, I am self-motivated and dedicated to my learning journey. I have completed the 100 Days of Code Challenge on my Instagram page (with over 10k followers) to capture my learning journey.

Hobby: Mechanical Keyboards, Piano Fun fact: I can fly a plane! (For real!)

Se Education

Aerospace Engineering BENG with a Year in Industry University of Bristol	Sep 2021 – Present Bristol, United Kingdom
International STEM Foundation University of Bristol Achieved 1st class honour, 78%	Sep 2020 – Jul 2021 Bristol, United Kingdom
Aviation Green River Community College Achieved 3.97 GPA out of 4.0 GPA	Sep 2019 – Jun 2020 Seattle, USA
Projects	
Beverage Shop Website <u>https://mycupofhktea.co.uk/</u> ☑ • Increased local shop's online visibility by designing a custom website, resulting in a 35% increase	Jul 2024
 in inquiries. Successfully designed and delivered a responsive website for a beverage shop, impacting sales volume by £2,000 on the first month. Created a dynamic menu page with toggle button using React state management, improving 	
 user engagement metrics by 30% through interactive content display. Maintained brand consistency by implementing a CSS layout, improving customer retention by 20% on the site. Design matches the restaurant's HK style. Boosted usability by 50% through implementing responsive design with media queries for all 	
 Delivered tailored design solutions by collaborating with the shop, resulting in a 40% increase in customer satisfaction. 	
 Maze Generator Source Code ☑ Built a web-based maze generator using JavaScript, HTML, and CSS, providing users with interactive and solvable mazes, raised user engagement by 30%. Used Recursive Division algorithm for efficient maze generation and Breadth-First Search (BFS) algorithm with a successful solvability rate of 100% while maintaining complexity. Designed a dynamic rendering system with HTML5 canvas for real-time visual updates. 	Jun 2024
 Vintage To-do List <u>https://vintage-todo-list.com/</u> ☑ Source code ☑ Shared the application with <10k Instagram followers Developed a responsive to-do list app using React and JavaScript, resulting in a 50% improvement in task management efficiency. Implemented state management and local storage, enhancing data persistence and user satisfaction by 50%. 	Jun 2024

- Integrated CRUD operations to improve user experience by 60%
- Achieved a 50% reduction in error rates by optimizing component lifecycles using **React Hooks**.
- Enhanced user satisfaction by enhancing interaction with 3 **conditional renderings** based on task status.

Footing Reactions Interpolation

Junior Structural Engineer - DNV

Source Code

- Created a **python script** template managing 100+ data points for footing reactions interpolations, to extract data in increments with existing data.
- Utilized "**OpenpyxI**" to extract data from spreadsheets and applied **algorithms** to increase script compatibility for all cases, resulting in 70% more efficient data handling.
- Project pipeline escalated by 70% due to reduction in repetition of analysis runs.

Professional Experience

 Junior Structural Engineer DNV - Engineering Consultancy Executed Site Specific Assessments for 10 jack-up rigs, ensuring regulatory compliance across 15 locations. Project Management: Managed more than 15 projects as Project Manager, handling budget control, client communications, and cross-team coordination, leading to successful completion of each project with 100% accuracy. Client Collaboration: Enhanced communication with DNV's major client, managing 6 high-stakes projects effectively and efficiently. Efficiency Improvement: Produced a tutorial video increasing Salesforce opportunity setup 	Jul 2023 – Jul 2024 London, United Kingdom
 efficiency by 100% across the team. Traditional & Digital Marketing Internship Clocky - Alarm Clocks Company Planned, executed digital marketing/ creative campaign across, Instagram, Facebook, TikTok for B2C client acquisition. Engagement rate amplified by 60%. 	Oct 2022 – Dec 2022 United Kingdom
 Digital Marketing Summer Internship YUMTAKE HK - Marketing Agency Generated a comprehensive data dashboard focusing on 3 critical KPIs: click-through, impression, conversion, cost, after extracting data from 3 social media platforms. 	Jul 2022 – Aug 2022 Hong Kong

• Identified the best keywords via social media analysis, achieving a 30% improvement in segmentation accuracy.

Python

Front-end Development: HTML, CSS, JavaScript

Back-end Development: Go Lang, API

Git & GitHub

የቅ Skills

Bash Fundamentals

Data Structure & Algorithms

React.JS

- components & props
- JSX & conditioning rendering
- useState & useEffect

Certificates

Software Development Course Careers Certificate (In progress)

- Frontend Specialisation
- Backend Development with Go
 Lang
- Professional Software
 Development
- Computer Science Principles

React - Introduction -

- Codecademy 2
- JSX
- React Components
- Components Interacting

Python3 Codecademy Certificate

- Basic syntax
- Beginner-friendly projects